Contents

Marine Geology Volume 94, 1990

Research	Paners

Redox reactions and carbonate preservation in deep-sea sediments	
R.E. Cranston and D.E. Buckley (Dartmouth, N.S., Canada)	1
Glaciomarine sedimentation in Disraeli Fiord, high arctic Canada	
D.S. Lemmen (Edmonton, Alta., Canada)	9
Biofacies and sediments in an emergent late Pleistocene glaciomarine sequence. Skerries, east central Ireland	
A.M. McCabe (Coleraine, Northern Ireland, U.K.), N. Eyles (Scarborough, Ont., Canada) and J.R. Haynes and D.O. Bowen	
(Aberystwyth, Wales, U.K.)	23
Shoreface dynamics: Evidence from bathymetry and surficial sediments	
J.T. Liu (Fort Pierce, Fla., U.S.A.) and G.A. Zarillo (Melbourne, Fla., U.S.A.)	37
Late Quaternary sedimentation on the Great Barrier Reef continental shelf and slope east of Townsville, Australia	
P.T. Harris (Sydney, N.S.W., Australia) and P.J. Davies and J.F. Marshall (Canberra, A.C.T., Australia)	55
Geochemical constraints on the depositional setting of Palaeozoic cherts from the New England orogen, NSW, eastern Australia	
J.C. Aitchison and P.G. Flood (Armidale, N.S.W., Australia)	79
Element accumulation rates in and growth histories of manganese nodules from the southwestern Pacific Basin	
A. Mangini (Heidelberg, F.R.G.), M. Segl (Bremen, F.R.G.), G.P. Glasby (Kilbirnie, New Zealand), P. Stoffers (Kiel, F.R.G.)	
and W.L. Plüger (Aachen, F.R.G.)	97
Benthic foraminiferal evidence for reduced deep-water circulation during sapropel deposition in the eastern Mediterranean	
G.J. Nolet and B.H. Corliss (Durham, N.C., U.S.A.)	109
Microearthquakes in the Tyrrhenian Sea as revealed by joint land and sea-bottom seismographs	
S.L. Soloviev, I.P. Kuzin and S.A. Kovachev (Moscow, U.S.S.R.), M. Ferri (Naples, Italy), I. Guerra (Arcavacata, Italy) and	
G. Luongo (Naples, Italy)	131
Letter Section	
Zetter Section	
Recent subsidence and northeast tilting of the Nile delta, Egypt	
D.J. Stanley (Washington, D.C., U.S.A.)	1.47
The late Oligocene–Miocene opening of the North Balearic Sea (Valencia basin, western Mediterranean): A working hypothesis	1-97
involving mantle upwelling and extensional detachment tectonics	
M. Doblas and R. Oyarzun (Madrid, Spain)	166
	133
A redesigned kasten core barrel and sampling technique E. Zangger and I.N. McCave (Cambridge, U.K.)	166
A laboratory evaluation of optical backscatterance suspended solids sensors exposed to sand-mud mixtures	103
	177
K.A. Ludwig and D.M. Hanes (Miami, Fla., U.S.A.)	1/3
D	
Research Papers	
Infragravity waves and nearshore bars in protected, storm-dominated coastal environments	
T. Aagaard (Copenhagen, Denmark)	181
Ouaternary crusts on slopes of the Mediterranean Sea: A tentative explanation for their genesis	101
J. Allouc (Nancy, France)	205
Micromorphological characteristics of a marine ferromanganese crust	200
R. Alvarez, E.H. De Carlo, J. Cowen and G. Andermann (Honolulu, Hawaii, U.S.A.)	230
Soulèvement et tectonique de l'île d'Efaté (Vanuatu) arc insulaire des Nouvelles-Hébrides, au cours du Quaternaire récent.	
Datations de terrasses soulevées par la méthode U/Th	
J.F. Lecolle (Bondy, France), J.E. Bokilo and M. Bernat (Nice, France)	251
J.I. Lecone (Bondy, France), J.E. Boxino and M. Bernat (Nice, France)	201

Research Papers

Shallow structure and recent evolution of the Aegean Sea: A synthesis based on continuous reflection profiles	271
J. Mascle and L. Martin (Villefranche-sur-Mer, France) Modern configuration of the southwest Florida carbonate slope: Development by shelf margin progradation	2/1
G.R. Brooks (St. Petersburg, Fla., U.S.A.) and C.W. Holmes (Denver, Colo., U.S.A.)	301
Late Quaternary history of the Ventura mainland shelf, California	
M.Z. Dahlen, R.H. Osborne and D.S. Gorsline (Los Angeles, Calif., U.S.A.)	317
The application of Stokes' wave theory under changing sea levels in the Irish Sea	
D.P. Horn (Oxford, U.K.) and J. Hardisty (Hull, U.K.)	341
Stratigraphy of Holocene sand-shell ridges in the Bahia Blanca Estuary, Argentina	
S. Aliotta and E. Farinati (Bahia Blanca, Argentina)	353
Current titles in Marine Geology. Part I	361
Current titles in Marine Geology. Part II	373
Erratum	384

